

Ratio Worksheet.

Simplify the following ratios.

1) 6 : 10

2) 9 : 15

3) 7 : 35

4) 10 : 28

5) 7 : 7

6) 12 : 9

7) 36 : 20

8) 24 : 12

9) 21 : 56

10) 28 : 35

11) 80 : 50

12) 55 : 15

13) 75 : 6

14) 11 : 15

15) 5 : 500

16) 23 : 46

17) 48 : 24

18) 9 : 9000

19) 4 : 8,000,000,000

Split the following quantities in the given ratios.

20) 48 // 3:5

21) 100 // 7:3

22) 56 // 1:6

23) 50 // 4:1

24) 120 // 5:3

25) 75 // 8:7

26) 36 // 4:5

27) 240 // 5:7

28) 88 // 1:3:7

29) 48 // 2:3:11

30) 60 // 3:4:5

31) 3400 // 2:3

32) 3 people win £120 in the lottery. They split it in the ratio 1:3:8. How much does each person get?

33) Jon and Bon invest £3400 in their local bank. They put the money in in ratio 3:7.

a) How much did each person put in?

b) After a year, the money accrues interest. They withdraw £6200 and split the new amount in the same ratio. How much do they both now get?

34) An estate is shared between Tom, Thom and Thomas in the ratio 2:3:5. If Tom received £2400. How much did the others get?

THIS IS TRICKY!!!!

Find out the missing quantities in the questions below.

35) A house is full of some cats and dogs. They are put in there in the ratio 1:5. If there are 8 cats in the house, how many dogs are there?

36) In a classroom the ratio of girls to boys is 2:1. If there are 24 girls, how many boys are there?

37) In the Queen's Imperial State Crown, the ratio of diamonds to emeralds is 3:4. If the crown has 16 emeralds. How many diamonds will it have?

Ratio Answers.

- 1) 3:5
 - 2) 3:5
 - 3) 1:5
 - 4) 5:14
 - 5) 1:1 = 1
 - 6) 4:3
 - 7) 9:5
 - 8) 2:1
 - 9) 3:8
 - 10) 7:5
 - 11) 8:5
 - 12) 11: 3
 - 13) 25:2
 - 14) 11:15
 - 15) 1:100
 - 16) 1:2
 - 17) 2:1
 - 18) 1:1000
 - 19) 1:2,000,000,000
 - 20) 18:30
 - 21) 70:30
 - 22) 8:48
 - 23) 40:50
 - 24) 74:45
 - 25) 40:35
 - 26) 16:20
 - 27) 100:140
 - 28) 8:24:56
 - 29) 6:9:33
 - 30) 15:20:25
 - 31) 1360:2040
 - 32) £10:£30:£80
 - 33) a) Jon - £1020 Bon - £2380 b) Jon - £1860 Bon - \$4340
 - 34) Thom - £3600 Thomas - £6000
- [Divide Tom's share by 2 to find the amount for 1 share and then multiply]**
- 35) 40 Dogs
 - 36) 12 Boys
 - 37) 12 Diamonds

